Philips Aurea
Flat TV with Perfect Pixel HD Engine and Ambilight Spectra

42"
LCD DVB-T

AUREA

42PFL9900D

Seduction by light

Let the beauty of light transform your viewing experience with the Aurea Flat TV. The Ambilight Spectra with active frame is blended in a stunning design. With Perfect Pixel HD Engine and Full HD 1080p LCD display, seeing is believing.

Bring magic to your viewing experience
- Ambilight Spectra with Active Frame and sensorial halo

A pure treat for your eyes
- Full HD LCD display, with a 1920 x 1080p resolution
- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- 100 Hz Clear LCD for superb motion sharpness (3ms)
- 4 trillion colours processing for vivid and brilliant images
- HD Natural Motion for ultra-smooth motion in Full HD movies

Truly immersive sound
- Powerful sound from unique invisible speakers

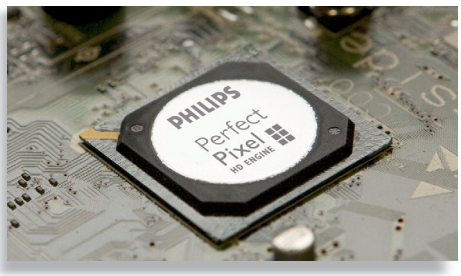
Designed for your convenience
- Drive your experience with Aurea Navigator remote control
- Settings assistant for effortless personalised TV settings
- Three HDMI inputs for full digital HD connection in one cable

product design award 2008

PHILIPS
sense and simplicity

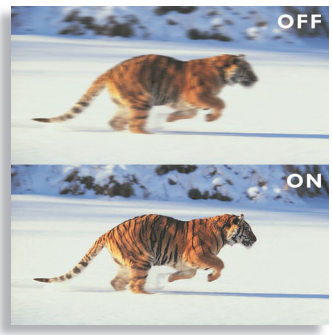
Product highlights

Perfect Pixel HD Engine



Experience unrivalled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to match the surrounding pixels better, resulting in a more natural picture. The result is a unique combination of sharpness, natural detail, vivid colours, superior contrast and smooth natural motion whatever you are watching. Clean and razor sharp images result from artefact and noise detection and reduction in all content sources — from multimedia to standard TV.

100 Hz Clear LCD



100 Hz Clear LCD creates extreme motion sharpness for clear and vibrant images even with fast on-screen motion. The Double Frame Rate Insertion works with a high 100Hz refresh rate. It increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in a response time of three milliseconds (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

Ambilight Spectra

The sensorial halo of Ambilight Spectra adds a magical dimension to your viewing experience. The Active Frame extends the light and atmosphere of the image far outside the screen in a soft kaleidoscope of colours. You feel fully immersed in the images, viewing becomes a more intensive experience than you could ever imagine. The compact LED technology enables a total of 126 power LEDs to be placed around the screen. This creates a multitude of segments that fuse into one soft surround of light in the Active Frame, directly enveloping the screen and flowing seamlessly into a soft halo on the wall.

HD Natural Motion

Philips invented HD Natural Motion to eliminate juddering effects that are visible with movie-based picture content. HD Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD and Blu-ray Disc). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level. HD Natural Motion removes judder from SD and HD pictures, including 1080p, for a motion performance that surpasses the cinema!

Invisible speakers

An invisible sound system that blends perfectly with the design of the Aurea. Although invisible from the outside, and extremely compact inside, there are no compromises to the quality of the sound. The new revolutionary micro speaker array uses 12 speakers per side to radiate the sound through an invisible thin slot at the front of the TV. They give a clear and spacious sound stage complementary to the rich viewing experience. The bass frequencies are generated by 2 powerful subwoofers integrated in the back of the TV.

Aurea Navigator

The sleek and luxurious remote control offers 3 dedicated ambilight keys for effortless control to personalise your settings. The centrepiece is an element highlighted by sophisticated material and design, and a touch operated backlight. This Aurea key controls the amount of Aurea immersion. The 'MODE' button switches the dynamics in 3 levels from relaxed to dynamic. The 'Ambilight' button switchs the Ambilight 'on' or 'off', as easily as using a lightswitch on the wall. The TV Menu offers access to addtional settings

Flat TV with Perfect Pixel HD Engine and Ambilight Spectra
42" LCD DVB-T

42PFL9900D/10

Specifications

Picture/Display
- Aspect ratio: Widescreen
- Brightness: 550 cd/m²
- Contrast ratio (typical): 1200:1
- Dynamic screen contrast: 8000:1
- Response time (typical): Three (BEW equiv.) ms
- Viewing angle: 176° (H)/176° (V)
- Diagonal screen size: 42 inch / 107 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920 x 1080p
- Colour processing: 4 trillion colours (14-bit RGB)
- Picture enhancement: Perfect Pixel HD Engine, HD Natural Motion, Dynamic contrast enhancement, 1080p 50/60 Hz processing, 1080p 24/25/30 Hz processing, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control, Jagged Line Suppression, Progressive Scan, Pulse Killer Chip, Widescreen Plus, 100 Hz Clear LCD, Double frame rate
- Screen enhancement: Anti-Reflection coated screen

Ambilight
- Ambilight Features: Ambilight Spectra, Auto adaptive to video content, Lounge light mode in stand-by
- Ambilight light system: LED-wide colour
- Dimming Function: 10 steps with Aurea Navigator

Supported Display Resolution
- Computer formats

Resolution Via HDMI/DVI input	Refresh rate
640 x 480	60 Hz
800 x 600	60 Hz
1024 x 768	60 Hz
1280 x 768	60 Hz
1360 x 768	60 Hz
1920 x 1080i	60 Hz
1920 x 1080p	60 Hz

- Video formats

Resolution	Refresh rate
480i	60 Hz
480p	60 Hz
576i	50 Hz
576p	50 Hz
720p	50, 60 Hz
1080i	50, 60 Hz
1080p	24, 25, 30 Hz
1080p	50, 60 Hz

Sound
- Output power (RMS): 2 x 12 W
- Sound Enhancement: Digital Signal Processing, Graphic Equalizer, Dynamic Bass Enhancement
- Sound System: Virtual Dolby Digital, BBE

Loudspeakers
- Built-in speakers: 26
- Loudspeaker types: 2 x 12 invisible microdrivers, 2 integrated subwoofers

Convenience
- Child Protection: Child Lock+Parental Control
- Clock: Smart Clock
- Ease of Installation: Auto Programme Naming, Automatic Channel Install (ACI), Automatic Tuning System (ATS), Autostore, PLL Digital Tuning, Plug & Play
- Ease of Use: Four favourite lists, Auto Volume Leveller (AVL), Delta Volume per preset, Graphical User Interface, On-Screen Display, Programme List, Settings assistant Wizard, Side Control
- Electronic Programme Guide: Now + Next EPG, 8-day Electronic Programme Guide
- Remote Control: Amp, DVD, DVD-R, Sat, HTS (Home Theatre System), STB (Set-Top Box), Universal
- Remote control type: RC4490
- Screen Format Adjustments: unscaled (1080p dot by dot), 4:3, Six Widescreen Modes, Auto Format, Movie expand 14:9, Movie expand 16:9, Subtitle and Heading Shift, Super Zoom, Widescreen
- Picture in Picture: Text dual screen
- Teletext: 1200-page Hypertext
- Teletext enhancements: Habit Watch, Programme information Line
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- Multimedia: Digital media reader (browser), USB autobreak-in

Multimedia Applications
- Multimedia connections: USB
- Playback Formats: MP3, Slideshow files (.alb), JPEG Still pictures

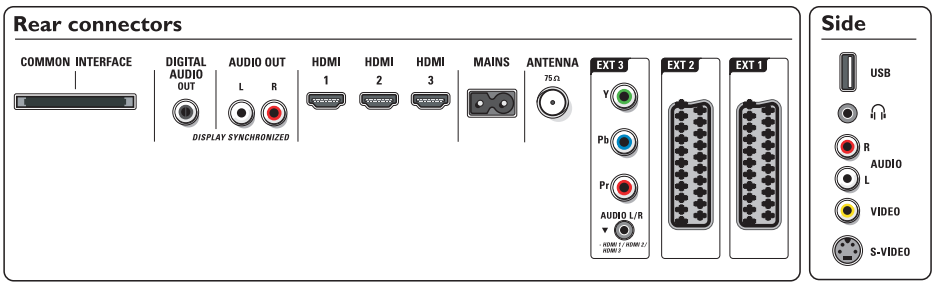
Tuner/Reception/Transmission
- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- DVB: DVB Terrestrial*
- Tuner bands: Hyperband, S-Channel, UHF, VHF

Connectivity
- Ext 1 Scart: Audio L/R, CVBS in/out, RGB
- Ext 2 Scart: Audio L/R, CVBS in/out, RGB
- Ext 3: YPbPr, Audio L/R in
- Ext 4: HDMI v1.3
- Ext 5: HDMI v1.3
- Ext 6: HDMI v1.3
- HDMI features: Cable equalization, Category 1 and 2 cables, Compressed audio, Multi-rate pref. format support, PC format support, Resolutions 720p, 1080i, 1080p
- Front/Side connections: Audio L/R in, CVBS in, Headphone out, S-video in, USB
- Other connections: Analogue audio Left/Right out, S/PDIF out (coaxial), Common Interface

Power
- Ambient temperature: 5°C to 35°C
- Mains power: AC - 220 - 240 V +/- 10%
- Power consumption: 231 W
- Standby power consumption: 0.8 W

Accessories
- Included Accessories: Tabletop swivel stand, Wall mounting bracket, RF antenna cable

Dimensions
- Colour cabinet: Precision Chrome and translucent Pearl
- Set dimensions (W x H x D): 1121 x 715 x 129 mm
- Set dimensions with stand (H x D): 810 x 305 mm
- Product weight: 39.6 kg
- Product weight (+stand): 48.5 kg
- Box dimensions (W x H x D): 1354 x 1211 x 339 mm
- Weight incl. Packaging: 51 kg
- VESA wall mount compatible: 600 x 400 mm



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* DVB-T, supported in selected countries only